<u>WHAT IS CLAIMED IS:</u>

1 1. A system for measuring network round trip time, comprising:

2 a processor; and

3 a monitor and analysis engine coupled to the processor for

4 determining the presence of a fast-response operation and calculating

5 the round trip time.

2. The system of claim 1 wherein the monitor and analysis engine

2 includes a fast response operator analyzer for detecting the presence of

3 the fast-response operation.

1 3. The system of claim 1 wherein the monitor and analysis engine

2 includes fast-response time operation definitions which list characteristic

3 information associated with fast-response operations.

1 4. The system of claim 3 wherein the definitions are user-supplied.

1 5. The system of claim 3 wherein the definitions are automatically

2 generated.

1   6.   The system of claim 1 further comprising a packet duplicator for

2   intercepting and duplicating sent and received packets, and forwarding

3   the duplicated packets to the monitoring and analysis engine for

4   analysis.

1   7.   The system of claim 1 further comprising a display device for

2   displaying graphical representations of the round trip time.

1   8.   A method for measuring network round trip time, comprising the

2   steps of:

3   determining if a sent packet indicates a fast response operation;

4   and

5   if the packet does indicate a fast response operation, calculating a

6   round trip time.

1   9.   The method of claim 8 wherein the step of determining includes

2   duplicating the packet.

1   10.   The method of claim 9 wherein the duplicated packet is forwarded

2   to a monitoring and analysis engine.

1   11.   The method of claim 8 further comprising the step of identifying a

2   time when the packet was sent and identifying a time when a response

3   packet was received.

1   12.   The method of claim 11 wherein the round trip time is calculated

2   by determining the time difference between when the packet was sent

3   and when the response packet was received.

1   13.   The method of claim 8 further comprising the step of assuming

2   that a packet indicating a fast-response operation was substantially

3   instantaneously processed at a server computer.

1   14.   The method of claim 8 further comprising the step of providing a

2   representation of the round trip time via a display device to a user.

1   15.   A system for measuring network round trip time comprising:

2   means for determining if a packet indicates a fast response

3   operation; and

4   means for calculating a round trip time if the packet does include a

5   fast response operation.

1   16.   A computer-readable medium storing program instructions for

2   causing a computer to measure network round trip time, by performing

3   the steps of:

4   determining if a packet indicates a fast response operation; and

5   if the packet does indicate a fast response operation, calculating a

6   round trip time.